

31. (Amended) A data recording/reproducing system in accordance with [one of] claim[s] 4 [to 30], wherein said contents key is switched at regular or irregular intervals.

34. (Amended) A data recording/reproducing system in accordance with [one of] claim[s] 31 [to 33], wherein, in the case when said tuner apparatus is provided, said tuner apparatus carries out said switching.

35. (Amended) A data recording/reproducing system in accordance with [one of] claim[s] 31 [to 34], wherein, in the case when said VTR is provided, said VTR apparatus determines the reproduction timing of said encrypted contents key in response to said switching.

36. (Amended) A data recording/reproducing system in accordance with [one of] claim[s] 31 [to35], wherein said encrypted digital data and said encrypted contents key are recorded at the recording position corresponding to said reproduction timing on said recording medium.

38. (Amended) A data recording/reproducing system in accordance with [one of] claim[s] 31 [to 37], wherein, in the case when said tuner apparatus and said VTR are provided, said VTR apparatus outputs said contents key for use after switching or said encrypted contents key corresponding thereto to said tuner apparatus, before outputting said encrypted digital data corresponding to said contents key for use after switching.

39. (Amended) A recording apparatus comprising:

[a] contents encrypting means for receiving digital data and a contents key for encrypting said digital data and for subjecting said digital data to first encrypting by using said contents key to generate encrypted digital data,

a key-encrypting key generating means for generating a key-encrypting key for subjecting said contents key to second encrypting.

[a] storing means for storing said key-encrypting key and for deleting said key-encrypting key hereafter if said key-encrypting key satisfies a predetermined condition,

[a] key encrypting means for generating a encrypted contents key by subjecting said contents key to said second encrypting by using said key-encrypting key,

[a] relationship information generating means for generating the relationship information between said encrypted digital data encrypted by using said contents key and said key-encrypting key obtained by encrypting said contents key, and

~~AB~~
~~and~~
17 [a] recording means for receiving said encrypted digital data, said
18 encrypted contents key and all or part of said relationship information and for
19 recording them on a predetermined recording medium.

1 43. (Amended) A recording apparatus in accordance with
2 [one of] claim[s] 39 [to 42], wherein a contents key generating means for
3 generating said contents key is provided, and said contents encrypting means
4 receives said contents key from said contents key generating means.

1 44. (Amended) A recording apparatus in accordance with
2 [one of] claim[s] 39 [to 42], wherein said contents encrypting means receives
3 said contents key from a broadcasting station and uses said contents key.

~~AB~~
~~and~~
1 45. (Amended) A reproducing apparatus comprising:
2 a key-encrypting key obtaining means for receiving said
3 relationship information on said recording medium of said recording apparatus
4 in accordance with [one of] claim[s] 39 [to 44], for specifying a key-encrypting
5 key corresponding to said encrypted digital data to be reproduced on the basis
6 of said relationship information, and for retrieving and obtaining said key-
7 encrypting key from said storing means of said recording means,

8 a key decrypting means for receiving said encrypted contents key
9 corresponding to said encrypted digital data to be reproduced, from said
10 predetermined recording medium, for receiving said key-encrypting key, and
11 for decrypting said encrypted contents key by using said key-encrypting key,
12 and

13 a contents decrypting means for decrypting said encrypted digital
14 data by using said contents key from said key decrypting means.

1 46. (Amended) A recording apparatus comprising:

2 a contents encrypting means for receiving digital data and a
3 contents key for encrypting said digital data and for subjecting said digital data
4 to first encrypting by using said contents key to generate encrypted digital data,

5 [a] key-encrypting key generating means for generating a key-
6 encrypting key for subjecting said contents key to second encrypting,

7 [a] storing means for storing said key-encrypting key generated
8 by said key-encrypting key generating means,

9 [a] key encrypting means for encrypting said contents key by
10 using said key-encrypting key,

11 [a] relationship information generating means for generating the
12 relationship information between said encrypted digital data encrypted by using
13 said contents key and said key-encrypting key obtained by encrypting said
14 contents key, and

15 [a] recording means for receiving said encrypted digital data, said
16 encrypted contents key and all or part of said relationship information and for
17 recording them on a predetermined recording medium.

1 51. (Amended) A reproducing apparatus in accordance with
2 claim 50, wherein said predetermined condition is that more than a
3 predetermined time has passed after said key-encrypting key was stored in said
4 storing means of said recording apparatus [in accordance with one of claims 46
5 to 49].

1 57. (Amended) A reproducing apparatus comprising:
2 a contents-key obtaining means for receiving said relationship
3 information on said recording medium of said recording apparatus in
4 accordance with [one of] claim[s] 53 [to 56], for specifying a contents key
5 corresponding to said encrypted digital data to be reproduced on the basis of
6 said relationship information, and for retrieving and obtaining said contents key
7 from said storing means of said recording means, and
8 a contents decrypting means for receiving said encrypted digital
9 data from said predetermined recording medium, for receiving said contents
10 key, and for decrypting said encrypted digital data by using said contents key.

1 61. (Amended) A reproducing apparatus in accordance with
2 claim 60, wherein said predetermined condition is that more than a
3 predetermined time has passed after said contents key was stored in said storing
4 means of said recording apparatus [in accordance with claim 58 or 59].

1 63. (Amended) A recording apparatus in accordance with one
2 of claims 39, [to 44, one of claim] 46, [or 49, one of claim] 53, [or 56, or one of
3 claims] 58, [to] or 59, provided with a billing means for charging the amount of
4 billing for recording said data at the time when said recording means records
5 said encrypted digital data on said predetermined recording medium.

64. (Amended) A recording apparatus in accordance with one
of claims 39, [to 44, one of claim] 46, [or 49, one of claim] 53, [or 56, or one of
claims] 58, [to] or 59, wherein said predetermined recording medium is a video
tape.

65. (Amended) A recording apparatus in accordance with one
of claims 39, [to 44, one of claim] 46, [or 49, one of claim] 53, [or 56, or one of
claims] 58, [to] or 59, wherein said predetermined recording medium is a hard
disk.

66. (Amended) A program medium containing programs for
attaining all or part of said components in accordance with [one of] claim[s] 1
[to 65].

Respectfully Submitted,

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